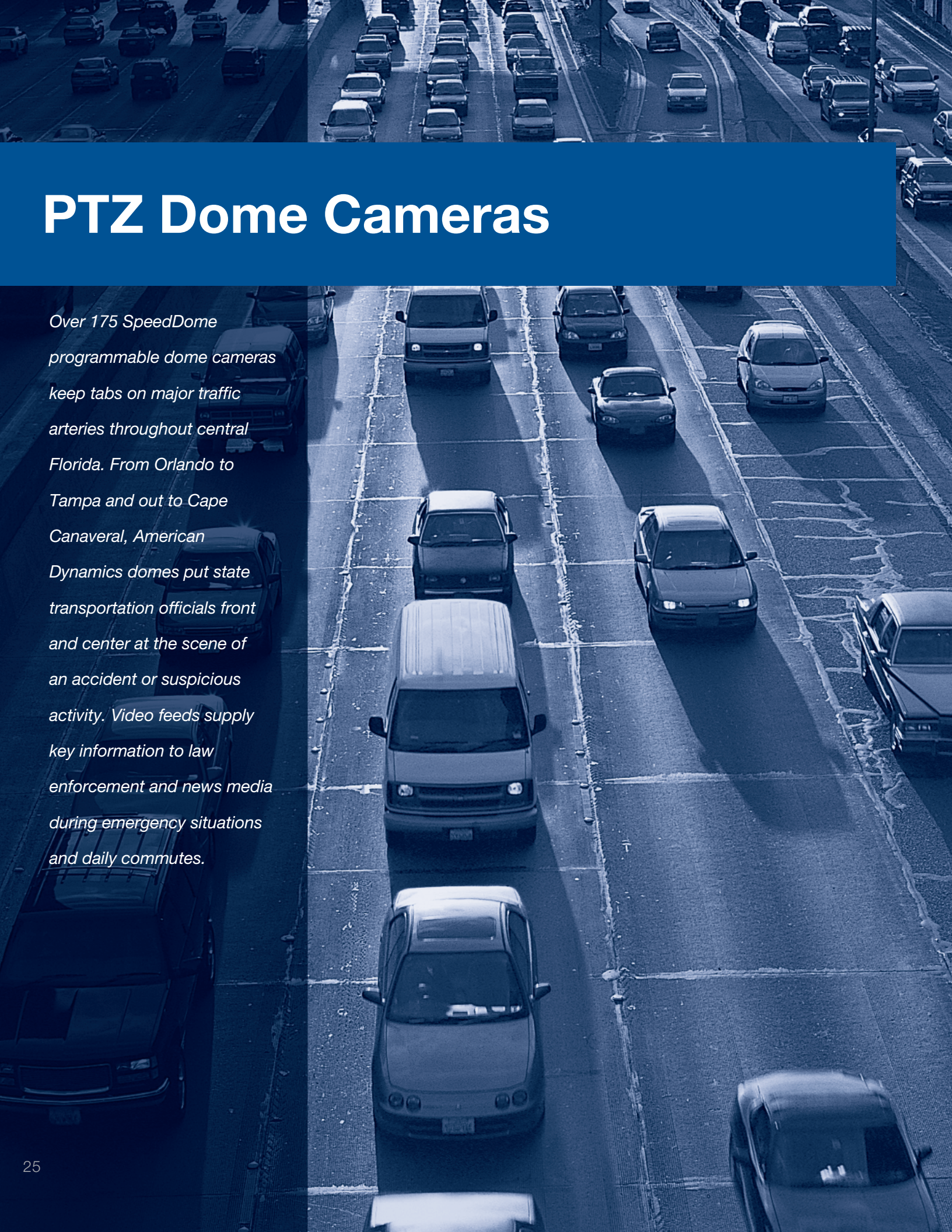




PTZ Dome Cameras

Over 175 SpeedDome programmable dome cameras keep tabs on major traffic arteries throughout central Florida. From Orlando to Tampa and out to Cape Canaveral, American Dynamics domes put state transportation officials front and center at the scene of an accident or suspicious activity. Video feeds supply key information to law enforcement and news media during emergency situations and daily commutes.

PTZ Dome Cameras

PTZ, programmable dome cameras give you a comprehensive view that you simply cannot get from a fixed camera. Our technology delivers the details of your target, zooming in or out in less than a second to capture the image you need the instant an alarm goes off. Our innovative Zoom-Adjusted Programming (ZAP) lets you pan, tilt, and zoom in every direction, automatically adjusting the pan and tilt speed in proportion to the zoom. Additional features enable you to conduct a virtual patrol of your facility whether or not someone is manning the controls. Auto-focus with manual override renders a clear picture every time. From the most distant corner of a parking garage to the maze of hallways throughout a building, SpeedDome programmable dome cameras take you everywhere you need to see.

IP Dome Cameras

IP SpeedDomes leverage the best of the analog SpeedDome and add the power of IP. Extensive zooming capabilities (up to 420x total zoom 35x optical), superior images (540 TVL, Electronic Image Stabilization, True Day/Night, and Wide Dynamic Range), provide a superior camera solution that leverages your existing infrastructure for a low total cost of ownership. Unlike many other IP PTZ domes in the industry, IP SpeedDome supports PoE technology which allows you to use standard category 5 cable in a typical network environment. Other domes either require you to run power cables to the dome or use PoE+, which is a drain on power and money. With PoE, a camera can still operate in the event of a power failure if the network is connected to a centralized power backup.

IP SpeedDomes offer full 360° PTZ capabilities, as opposed to most domes in the industry that pan, tilt, and zoom "almost" all the way around (355°), but leave just enough unmonitored area (5° worth) to cause a lot of problems

IP SpeedDomes support H.264, MJPEG, MPEG-4, and Active Content Compression (ACC) technology and are compatible with VideoEdge Network Video Management Systems v3.0 and higher, as well as Intellex IP.

Dome Cameras

SpeedDome Ultra 8 Programmable Dome Cameras

are equipped with Wide Dynamic Range, True Day/Night, and Electronic Image Stabilization (EIS). With 35x and 540 TVL allows users to see farther and clearer than ever before. A 12x digital magnifier with 35x optical zoom yields a total zoom of 420x. This series also features privacy zones, on-screen programming, alarm inputs, and DirectSet for fast access to the most frequently used functions. A choice of black or white camera assemblies is available.

SpeedDome Ultra 8 with 22x delivers excellent color images in scenes as dim as .02 lux. This series combines 22x optical zoom and 11x digital zoom for 242x total zoom and has low-light capability of .004 lux. Like the SpeedDome Ultra 8 with 35x, this series also includes DirectSet, privacy zones, on-screen programming, and alarm inputs.

SpeedDome Optima is powered with 22x optical zoom and 11x digital zoom for a total of 242x zoom, producing high quality color images. The series includes an alarm input, 96 user-programmable presets three patterns, and a pre-wired harness for easy installation and servicing. Compatible with any American Dynamics controller system, Optima is available in outdoor models only.

Optima LT includes many of the same features as the standard Optima dome — all for an impressively low price.

IP Dome Cameras



Most competitors' domes will pan, tilt, and zoom "almost" all the way around (355°), but leave just enough unmonitored area (5° worth) to cause a lot of problems. IP SpeedDome offers full 360° PTZ capabilities, letting you see more.

IP SpeedDome:

- PoE leverages existing network infrastructure
- 22x and 35x optical zoom
- Supports H.264, MJPEG, MPEG-4, and Active Content Compression (ACC) technology
- 360° PTZ flexibility
- Built-in web server
- H.264, MJPEG, MPEG-4, and ACC compression technology
- Alarm management via the network
- Bi-directional audio and synchronized video
- Dynamic privacy zones
- Unique bandwidth throttling
- Compatible with VideoEdge NVR v3.0 and Intellex IP

PoE

ADVEIPSD22N

ADVEIPSD22P

ADVEIPSD35N

ADVEIPSD35P

IP SPEEDDOME COMPARISON TABLE

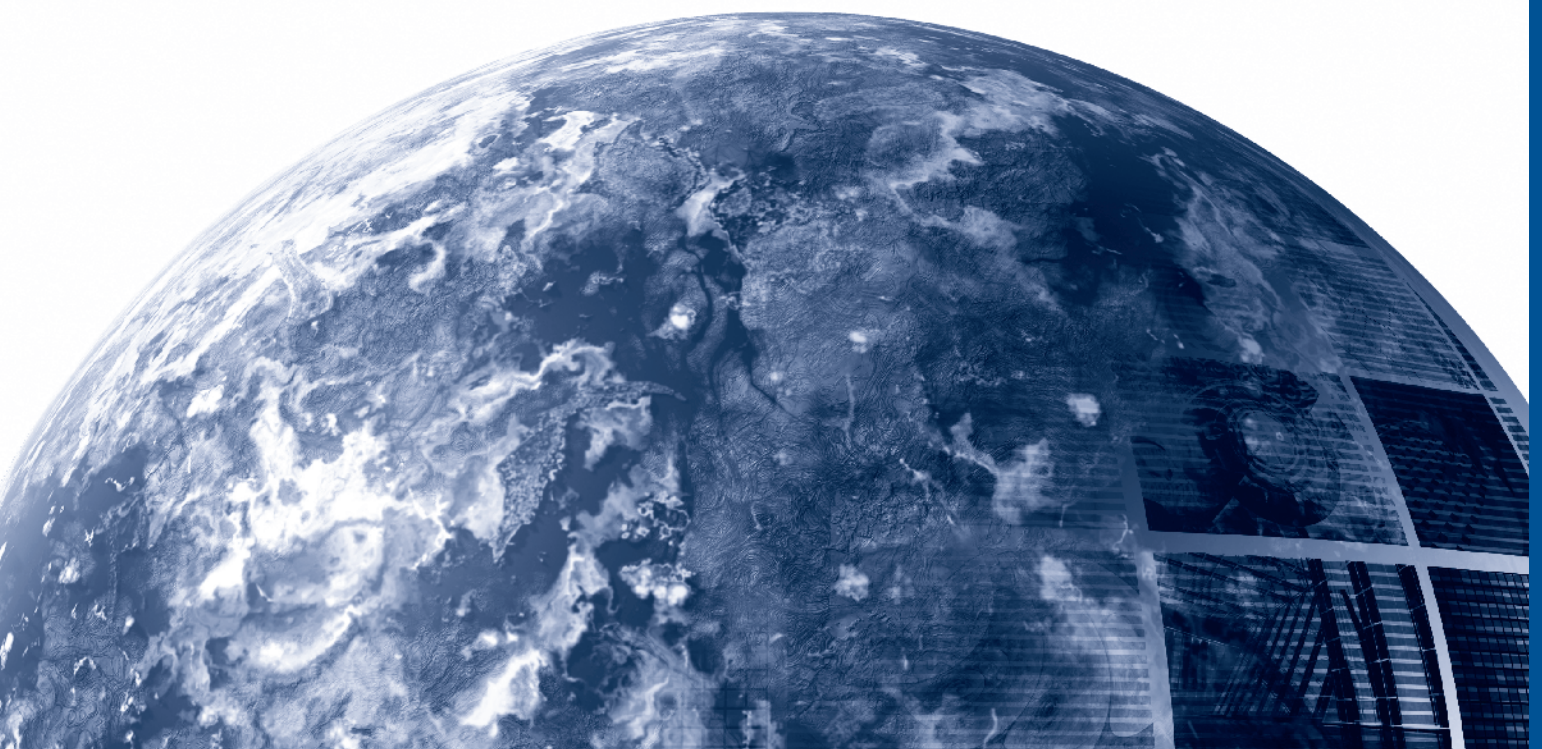
	IP SpeedDome 22x	IP SpeedDome 35x
Total zoom	242X	420X
Optical zoom	22X	35X
Digital zoom	11X	12X
Day/Night	No	Yes
Wide Dynamic Range	No	Yes
Electronic Image Stabilization	No	Yes
Programmable presets (controller dependent)	Up to 96	Up to 96
Programmable patterns	16	16
Programmable sequences	16	16
Preset, area, pattern naming	Up to 19 characters (user-defined)	Up to 19 characters (user-defined)

Power Over Ethernet

Power over Ethernet drives most cameras today, with the exception of high-powered PTZ speed domes. Without PoE, installers need to spend extra time running power cables in addition to the data cabling, adding more time and cost.

At American Dynamics we utilize this powerful technology on our 35x IP SpeedDome to deliver wide dynamic range, true day/night and electronic image stabilization (EIS). Coupled with the fastest motor controls in the industry, this camera stands alone in delivering high-powered features without having to run additional power cables to the camera.

Lower power consumption, lower carbon footprint, and easier to install solutions result in a lower total cost of ownership. American Dynamics works hard to craft the solutions that deliver on the promise of IP.



DOME COMPARISON TABLE

	SpeedDome Ultra 8 22x	SpeedDome Ultra 8 35x	SpeedDome Optima + Optima LT
Total zoom	242x	420x	242x
Optical zoom	22x	35x	22x
Digital zoom	11x	12x	11x
Day/Night	No	Yes	No
Wide Dynamic Range	No	Yes	No
Electronic Image Stabilization	No	Yes	No
Programmable presets (controller dependent)	Up to 96	Up to 96	Up to 96
Programmable patterns	16	16	3
Programmable sequences	16	16	No
Preset, area, pattern naming	Up to 19 characters (user-defined)	Up to 19 characters (user-defined)	No
Motion detection	No	Yes	No
Privacy zones	Up to 8	Up to 8	No
Alarm inputs & output	Up to 4 inputs & outputs, base dependent	Up to 4 inputs & outputs, base dependent	One for Optima & N/A for Optima LT
Auto focus/iris	Yes	Yes	Yes
Password protection	Yes	Yes	No
CCD imager (CCD center)	1/4 in, 470 TVL	1/4 in, 540 TVL	1/4 in, 470 TVL
Minimum illumination	0.3 lux (AGC on) / 0.02 lux with 1/4 sec. open shutter	Day Mode - 0.24 lux (AGC on) / 0.028 lux with 1/4 sec. open shutter B/W IR mode - 0.021 lux (AGC on) / 0.00041 lux with 1/2 sec. open shutter	1.5 Lux (AGC on)
Lens focal length	4 to 88 mm	3.4 to 119 mm	4 to 88 mm
Lens maximum aperture	f1.6	f1.4	f1.6
Communication Protocols*	RS-422/RS-485, Manchester, SensorNet, & AD-UTC	RS-422/RS-485, Manchester, SensorNet, & AD-UTC	RS-422/RS-485 (2-Wire: for Optima LT only), Manchester & SensorNet

* Refer to chart on p.30.

Dome Cameras

NUMBER OF PRESETS PER DOME



SpeedDome Ultra 8 22x + 35x

SpeedDome Optima + Optima LT

Controller, DVR or Matrix Switcher	Protocol	Number of Presets	
ADTT16E	SensorNet	96	96
	RS-422*	94	96
MegaPower LT	AD-UTC	96	96
	SensorNet	96	96
MegaPower 48 Plus	SensorNet	96	96
	Manchester	64	64
	RS-422	96	96
MegaPower 3200	Manchester**	64	64
	RS-422†	60	60
Intellex	SensorNet‡	96	96
	RS-422§	96	96
TVR	RS-422	96	96
Third party interfaces	RS-485	96	N/A
	RS-422	96	N/A

SUPPORTED PROTOCOLS

RS-485/RS-422	Yes	SpeedDome Optima: Yes SpeedDome Optima LT: Yes, Simplex only
NTCIP	Yes	No
SensorNet	Yes	Yes
Manchester	Yes	Yes
AD-UTC	Yes	No
Pelco Coaxitron	Yes	No
Pelco "P"	Yes	No
Panasonic UTC	Yes	No
Vicon RS-422	Yes	No

* Using SensorNet-to-RS-422 converter (model number RCSN422).

** Using Manchester code distributor (model number AD2091).

† Using RS-422 code distributor (model number AD2083-02C).

‡ Using USB CCTV Control Module (Model number ADACSNET).

§ Requires USB to RS-422 adaptor.



Two Ordering Options Available:

1. Order each component individually (see page 32).
2. Order a pre-configured dome kit (see page 33) which includes: Camera Module, Mounting Base, Mount, and Indoor or Outdoor Housing, plus Bubble.

SpeedDome Ultra 8 Dome Cameras:

22x series:

- 22x optical zoom with 11x digital magnifier (242x total zoom)
- Advanced digital signal processing (DSP) CCD camera
- Freeze frame on presets (user-selectable on/off)
- Open shutter to capture images in very low directional light
- Select from two housing/eyeball assembly colors: black or white
- Continuous auto focus
- Zoom adjusted programming
- Dome usage statistics
- Password protection
- Integrated Unshielded Twisted Pair (UTP) simplifies wiring and installation
- Store presets and patterns with I/O base memory
- Supports SensorNet, RS-422, Manchester, AD UTC, NTCIP, and other protocols*
- Dome-generated on-screen text including direction indicators
- Up to eight privacy zones
- Programmable presets, patterns, and area names
- DirectSet feature provides fast access to the most frequently used dome features
- Up to 96 presets (controller dependent)
- Alarm inputs and outputs
- Automatic home position
- Automatic proportional flip and automatic gain control, line-lock and white balance (user-selectable on/off)

35x series; includes ALL the features (listed left) **PLUS** the following:

- 35x optical zoom with 12x digital magnifier (420x total zoom)
- Wide dynamic range
- Day/night color-to-monochrome mode
- Electronic Image Stabilization (EIS)
- Dimensions:
Height: 205 mm (8 in)
Diameter: 120 mm (4.7 in)
- Weight:
Housing and Eyeball: 1.18 kg (2.6 lbs)
Base (with I/O board): .16 kg (.35 lbs)

* Compatibility with other manufacturers is based upon known current protocols and controllers at time of test. However, compatibility may be affected if other manufacturers make changes to their products.

Dome Cameras

SpeedDome Ultra 8 (order each component):

22x Zoom, Housing /Eyeball Assembly without I/O Mounting Base

ADSDU822N

ADSDU822WN

ADSDU822P

ADSDU822WP

22x Zoom, Housing/Eyeball Assembly with I/O Mounting Base

ADSDU822ION

ADSDU822WION

ADSDU822IOP

ADSDU822WIOP

35x Zoom, Housing /Eyeball Assembly without I/O Mounting Base

ADSDU835N

ADSDU835WN

ADSDU835P

ADSDU835WP

35x Zoom, Housing/Eyeball Assembly with I/O Mounting Base

ADSDU835ION

ADSDU835WION

ADSDU835IOP

ADSDU835WIOP

I/O Mounting Base without Housing /Eyeball Assembly

ADSDUIOB

ADSDUIOBW

Accessories

> Housings: pp. 37-38

> Bubbles: pp. 48

> Mounts: pp. 39-42

> Controllers: p. 45

> J-Boxes: p. 46

> Installation/Removal tool: p. 48

> Power supplies: p. 110

Model Number Guide

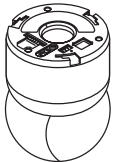
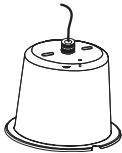
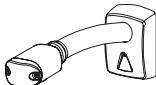
BRAND	CAMERA	CAMERA BODY COLOR	MOUNTING BASE	FORMAT
ADSDU8 = American Dynamics SpeedDome Ultra 8	22 = 22x Zoom 35 = 35x Zoom, Wide Dynamic Range, True Day/Night, Electronic Image Stabilization (EIS)	{blank} = Black W = White	{blank} = None, Order Separately IO = I/O Mounting Base Included	N = NTSC P = PAL



With the SpeedDome Ultra 8, the True Day/Night feature provides enhanced infrared capability for night time viewing. Excellent color video is seen by day, then automatically switches to monochrome in the dark. This powerful feature enables you to capture scenes in extreme darkness, undetectable to the human eye.

Dome Cameras

SPEEDDOME ULTRA 8 PRECONFIGURED KITS

A PRE-CONFIGURED SPEEDDOME ULTRA 8 KIT INCLUDES: A Camera Module B I/O Board Mounting Base C Housing (Environment) D Mount E Bubble	A Camera Module - 22x or 35x (Color with Day/Night mode) 	C Housing (Environment)  1) Top Hat (Indoor)  2) Environmental (Indoor & Outdoor)	D Mount  1) Hard Ceiling (Indoor)  2) 2' x 2' Drop Ceiling (Indoor)  3) Long Wall (Outdoor)	E Bubble  Clear  Smoked
	B I/O Board Mounting Base (if applicable) 			

Pre-Configured SpeedDome Ultra 8 Kits:

22x Zoom, Indoor Dome Kits

ADSDU822IHN

ADSDU822IHP

ADSDU822IHSN

ADSDU822IHSP

ADSDU822I2X2N

ADSDU822I2X2P

ADSDU822I2X2SN

ADSDU822I2X2SP

22x Zoom, Outdoor Dome Kits

ADSDU822OPCN

ADSDU822OPCP

ADSDU822OPCWN

ADSDU822OPCWP

32x Zoom, Indoor Dome Kits, (with 540 TVL WDR, Day/Night + EIS)

ADSDU835IHN

ADSDU835IHP

ADSDU835IHSN

ADSDU835IHSP

ADSDU835I2X2N

ADSDU835I2X2P

ADSDU835I2X2SN

ADSDU835I2X2SP

32x Zoom, Outdoor Dome Kits, (with 540 TVL WDR, Day/Night + EIS)

ADSDU835OPCN

ADSDU835OPCP

ADSDU835OPCWN

ADSDU835OPCWP

Accessories

> Controllers: p. 45

> J-Boxes: p. 46

> Installation/Removal tool: p. 48

> Power supplies: p. 110

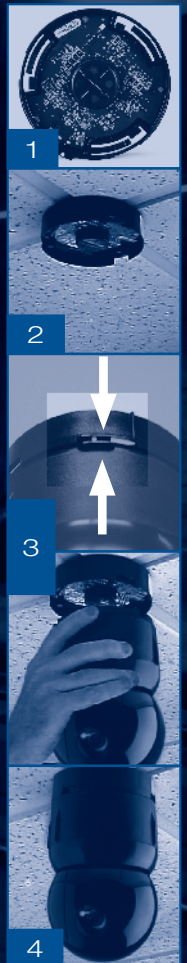
Model Number Guide

BRAND	CAMERA	ENVIRONMENT	MOUNT	BUBBLE	FORMAT
ADSDU8 = American Dynamics SpeedDome Ultra 8	22 = 22x Zoom 35 = 35x Zoom, Wide dynamic range, True Day/Night, Electronic Image Stabilization (EIS)	I = Indoor OPC = Outdoor	H = Hard Ceiling W = Long Wall 2x2 = 2 x 2 ft, Drop Ceiling {blank} = None, Order Separately	{blank} = Clear S = Smoked	N = NTSC P = PAL

DOMES ASSEMBLY:

We offer an **I/O Board Mounting Base** which makes installation as easy as screwing in a light bulb in just three simple steps:

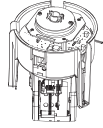
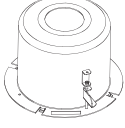
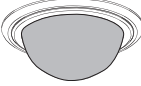
1. Connect the composite cables for power, communication, and video to the I/O PC board in the mounting base.
2. Secure the mounting base to the ceiling or desired location.
3. Connect the housing and eyeball assembly to the base by aligning the cap and base tabs, then turn, push, and click the housing clockwise.
4. Dome is mounted and ready-to-go. Wait a few seconds for dome to begin its homing routine.





SpeedDome Optima + Optima LT Dome Cameras:

- Color camera with up to 242x zoom (22x optical, 11x digital)
- 470+ TVL horizontal resolution
- Zoom adjusted programming
- Auto focus and auto iris
- Auto white balance
- Automatic gain control
- Line-lock
- Supports Manchester, SensorNet, and Simplex RS-422 protocols
- Integrated Unshielded Twisted Pair (UTP) simplifies wiring and installation
- Up to 96 user-definable presets
- Three user-definable patterns
- Power-on functional tests
- LED diagnostics
- Easy to install and service
- Priced comparably to a PTZ, with more features and easier to install
- Stepper motors with micro-step control
- Automatic home position
- In-ceiling series dimensions:
Total: 301 x 190.5 mm (11.9 x 7.5 in)
- Above ceiling: 207.4 x 190.5 mm (8.2 x 7.5 in)
- Below ceiling: 92.7 x 178 mm (3.65 x 7 in)
- In-ceiling series weight: 2.5 kg (5.5 lbs)
- Integral housing series dimension: 303 x 243.5 mm (11.9 x 9.6 in)
- Integral housing series weight: 2.7 kg (6.1 lbs)

A PRE-CONFIGURED SPEEDDOME OPTIMA + OPTIMA LT DOME KIT INCLUDES: A Color Camera Module B Housing C Bubble (smoked or clear)	A Color Camera Module 	B Housings  In-ceiling (Indoor)  Pendant (Indoor/Outdoor)	C Bubbles  Smoked  Clear
--	---	--	--

Pre-Configured Optima Dome Kits (Outdoor):

RASONPC

Outdoor Pendant Mount, Clear Bubble (NTSC)

RASONPC-1

Outdoor Pendant Mount, Clear Bubble (PAL)

RASONPS

Outdoor Pendant Mount, Smoked Bubble (NTSC)

RASONPS-1

Outdoor Pendant Mount, Smoked Bubble (PAL)

Pre-Configured Optima LT Dome Kits (Indoor):

RASELHC

Indoor Ceiling Mount, Clear Bubble (NTSC)

RASELHC-1

Indoor Ceiling Mount, Clear Bubble (PAL)

RASELHS

Indoor Ceiling Mount, Smoked Bubble (NTSC)

RASELHS-1

Indoor Ceiling Mount, Smoked Bubble (PAL)

RASELPC

Indoor Pendant Mount, Clear Bubble (NTSC)

RASELPC-1

Indoor Pendant Mount, Clear Bubble (PAL)

RASELPS

Indoor Pendant Mount, Smoked Bubble (NTSC)

RASELPS-1

Indoor Pendant Mount, Smoked Bubble (PAL)

Accessories:

> Controllers: p. 45

> J-Boxes: p. 46

> Installation/Removal tool: p. 48

> Power supplies: p. 110

IP SpeedDome Outdoor Housings:



- Temperature-controlled interior environment
- Automatic defog and defrost heater cycle modes
- Thermostatically controlled heater and blower prevent excessive buildup of ice and removes any that does accumulate in one hour
- On-demand menu through the web interface displays housing temperature and humidity
- Meets IP66/NEMA 4 specifications
- Reinforced high impact design with vandal resistant option
- Dimensions:
Height: 321 mm (12.64 in)
Diameter: 244 mm (9.61 in)
- Weight:
With dome: 3.15 kg (6.95 lbs)
Without dome: 2.06 kg (4.54 lbs)

ADVESDHOC
ADVESDHOS
ADVESDHOVRC
ADVESDHOVRS
[Accessories](#)
ADVESDHRDCLGC
ADVESDHRDCLGS
ADVESDBASE

IP SpeedDome Indoor Housings:



- Precision-crafted bubbles maintain the integrity of light and image
- Four alarm inputs, one output
- Surge and lightning protection of video, data, alarm input and output, and power
- Plug and play connectors enable easy servicing of environmental board
- Ceiling, pole, roof, wall, and corner mounts available
- Reinforced high impact design with vandal resistant option
- Dimensions:
Height: 321 mm (12.64 in)
Diameter: 244 mm (9.61 in)
- Weight (ADVESDHIC, ADVESDHIS):
With dome: 2.86 kg (6.3 lbs)
Without dome: 1.7 kg (3.75 lbs)
- Weight (ADVESDHICVR, ADVESDHISVR):
With dome: 3.46 kg (7.63 lbs)
Without dome: 2.3 kg (5.07 lbs)

ADVESDHIC
ADVESDHIS
ADVESDHICVR
ADVESDHISVR
[Accessories](#)
ADVESDHRDCLGC
ADVESDHRDCLGS
ADVESDBASE

SpeedDome Ultra Pressurized Outdoor Housings*:



Pressure relief valve

- Durable engineered plastic top, UV protected
- Temperature-controlled interior environment
- Heater and blower standard
- IP67/NEMA 4x
- Pressurized to 5 psi with a Schrader valve
- Low pressure alarm
- Pendant, wall, or corner mount available
- Bubble assembly affixed to the top with nine screws
- Includes integrated I/O base with diagnostic power and communications LEDs (Note: I/O base used does not currently support storage of presets/patterns/programming)
- Surge and lightning protection of video, communications, alarm input and output, and power
- Choose from clear or smoked bubble
- Dimensions:
Height: 325 mm (12.8 in)
Diameter: 409 mm (16.1 in)
- Weight with dome: 3.63 kg (8.0 lbs)

RHODULP-01
RHODULP-02
[Accessories](#)
WM20G (Wall mount)
ACA2 (Corner mount)
APM3 (Pole mount)
RHONKIT**
(Nitrogen recharge kit)
RHONREG
(Regulator & Hose)
RHONTANK
(Nitrogen recharge tank)

* Note: For proper performance, this dome housing must be pressurized using 99.998% dry nitrogen.
** Contact your salesperson for recharge kit availability in your geographic region.

Dome Housings

Outdoor Housings:



- Reinforced high-impact design
- Temperature-controlled interior environment
- Choose from clear or smoked bubble
- IP66/NEMA 4



- Class 2 LPS certified
- Includes integrated I/O base that can store presets/patterns programming to base
- Four tamper-resistant screws with driver bit included
- Surge and lightning protection of video, communications, alarm input and output, and power
- On demand fog and defrost heater cycle modes prevent and quickly remove accumulated ice
- Four alarm inputs, one output

- Integrated Unshielded Twisted Pair (UTP) simplifies wiring and installation
- Dimensions:
Height: 321 mm (12.64 in)
Diameter: 244 mm (9.61 in)
- Weight:
With dome: 3.15 kg (6.95 lbs)
Without dome: 2.06 kg (4.54 lbs)

Vandal Resistant Series:

- Visually identical to the outdoor version to maintain consistent appearance
- Includes integrated I/O base that can store presets/patterns programming to base
- Four alarm inputs, one output
- Weight:
With dome: 3.86 kg (8.49 lbs)
Without dome: 2.80 kg (6.20 lbs)

ADSDUHOH
ADSDUHOS
ADSDUHOVC
ADSDUHOVS

[Upgrade Kits](#)
RHCLRVRKIT
RHSMKVRKIT

Indoor Housings:



- Reinforced high-impact design
- Choose from clear or smoked bubble
- Four tamper-resistant screws with driver bit included
- Surge and lightning protection of video, communications, alarm input and output, and power included



- Integrated Unshielded Twisted Pair (UTP) simplifies wiring and installation
- Stainless steel bubble cage and choose from clear or smoked bubble
- Durable bubble meets impact standard ANSI 87.1
- Retrofit kit available to upgrade existing SpeedDome Ultra housings

- Dimensions:
Height: 321 mm (12.64 in)
Diameter: 244 mm (9.61 in)
- Weight:
With dome: 2.80 kg (6.20 lbs)
Without dome: 1.60 kg (3.50 lbs)

Vandal Resistant Series:

- Visually identical to the outdoor version to maintain consistent appearance
- Includes integrated I/O base that can store presets/patterns programming to base
- Four alarm inputs, one output
- Weight:
With dome: 3.50 kg (7.70 lbs)
Without dome: 2.30 kg (5.10 lbs)

ADSDUPIHC
ADSDUPIHS
ADSDUPIVRC
ADSDUPIVRS

[Upgrade Kits](#)
RHCLRVRKIT
RHSMKVRKIT

Indoor Top Hat Housings:



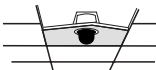
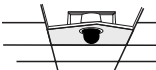
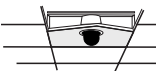
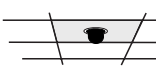
- Metal enclosure houses a dome
- Includes trim ring and plastic base
- Mounts directly to a ceiling or indoor mounting structure
- Plenum rated

- Dimensions:
157 x 175 x 175 mm
(6 x 7 x 7 in)
- Weight: .77 kg (1.77 lbs)

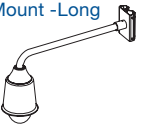
RHIUTH

A complete line of indoor and outdoor mounts is available to suit any mounting requirement. The cameras are lightweight and compatible with IP SpeedDomes, SpeedDome Ultra, SpeedDome Optima, and the Ultra Drone series. Choose from a variety of

ceiling, wall, pendant, corner, pole, and over-the-roof models as well as assemblies for dome, housing, and cap for safe and efficient installations.

INDOOR MOUNTING OPTIONS						
Mount	Description	Compatibility	Construction	Dimensions	Weight	Model Number
I-Beam Mount Assembly 	This assembly allows the dome to be suspended from an I-beam; and includes a clamp, pipe tee nipple, and flange. The clamp attaches to a 1.25 inch pipe, provided by the customer, then affixes to the pendant hardware. The housing or dome assembly also mounts to the structure.	SpeedDome Ultra Series and IP SpeedDome	Steel and Galvanized steel	6 m [max.] x 293 x 127 mm (20 ft [max.] x 12 x 5 in)	2.9 kg (6.4 lbs)	RHIU1BM
Indoor Pendant Mount 	This mount suspends a SpeedDome Ultra or a SpeedDome Optima housing from a ceiling or horizontal surface. It can be installed using either 1.25 inch NPT threaded pipe or rigid conduit, new or existing, up to 10' (3 meters) in length.	SpeedDome Ultra Series, Optima Series, and IP SpeedDome	Powder-coated aluminum and ABS plastic	115 x 120 x 120 mm (4 .5 x 5 x 5 in)	1.8 kg (4 lbs)	RHOPN
Hard Ceiling Bracket 	This bracket enables the Top Hat housing to be recessed in the ceiling (requires RHIUTH Top Hat). The bracket is mounted to the Top Hat and installed in a hole cut in the ceiling — perfect for sheet rock, plaster or solid ceilings. The hard ceiling bracket can be installed entirely from below the ceiling; the installer will not have to access the area above the ceiling to install it.	SpeedDome Ultra Series	Galvanized steel	212 x 179 x 56 mm (8 x 7 x 2 in)	70 kg (1.6 lbs)	RHIUHC
Fixed Bracket 	Used with the RHIUTH Top Hat, this bracket enables the housing to be recessed in the ceiling or in a 2-foot drop ceiling tile. The bracket is mounted to the Top Hat housing and installed in a hole cut in the ceiling. The bracket distributes the weight of the dome and Top Hat housing across the T-bar framework of the ceiling. It is also very useful for sheet rock, plaster, or solid ceilings.	SpeedDome Ultra Series	Galvanized steel	180 x 632 x 100 mm (7 x 24 x 4 in)	1.8 kg (4 lbs)	RHIUFB
Adjustable Bracket 	Used with the RHIUTH Top Hat, this bracket enables the housing to be recessed in drop ceilings that utilize anything other than 2-foot grids. The bracket distributes the weight of the dome and the Top Hat housing across the T-bar framework of the ceiling and is adjustable from 632-1219 mm (24-48 in)	SpeedDome Ultra Series	Galvanized steel	180 x 1219 x 100 mm (7 x 48 x 4 in)	2.3 kg (5 lbs)	RHIUAB
2' x 2' Tile Mount 	This mount enables the Top Hat housing to be recessed in a 2' x 2' drop tile ceiling. The ceiling tile is removed and the white tile mount is simply dropped in its place. A Top Hat housing and plastic base are included in the kit.	SpeedDome Ultra Series	Powder-coated aluminum and ABS plastic	190 x 607 x 607 mm (7 x 24 x 24 in)	2.7 kg (6 lbs)	RHIU2X2M
2' x 2' Tile Pendant Mount 	This mount enables the pendant mount to be installed in a 2' x 2' drop tile ceiling. The Top Hat housing/dome assembly also mounts to the structure. The mounting kit includes a 2' x 2' plate and pendant hardware. The plate attaches to a 1.25 inch pipe, provided by the customer, then affixes to the Top Hat housing/dome assembly. If mounting a SpeedDome Optima with this model, a RHOPN ceiling pendant mount kit is required.	SpeedDome Ultra and Optima Series	Powder-coated aluminum and ABS plastic	47 x 605 x 605 mm (2 x 23 x 23 in)	5.4 kg (12 lbs)	RHIU2X2P
2' x 2' Tile Mount Plate 	This mount enables the dome to be recessed in a 2' x 2' drop tile ceiling. The ceiling tile is removed and the tile mount is simply dropped in its place.	SpeedDome Optima Series	Painted aluminum	47 x 605 x 605 mm (2 x 23 x 23 in)	1.7 kg (3.8 lbs)	RH2X2

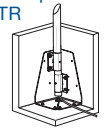
Indoor Mounts + Mount Adapters

INDOOR MOUNTING OPTIONS						
Mount	Description	Compatibility	Construction	Dimensions	Weight	Model Number
3.5 inch x 3.5 inch Mounting Plate 	This mounting plate attaches the dome to a standard 3.5 inch x 3.5 inch duplex electrical box that is installed in the ceiling. The Top Hat housing/dome assembly also mounts to the structure.	SpeedDome Ultra Series and IP SpeedDome	Galvanized steel	2 x 90 x 90 mm (.08 x 3 x 3 in)	.09 kg (.2 lbs)	RHIU3X3
4 inch x 4 inch Mounting Plate 	This mounting plate attaches the dome to a standard 4 in x 4 in duplex electrical box that is installed in the ceiling. The Top Hat housing/dome assembly also mounts to the structure.	SpeedDome Ultra Series	Galvanized steel	2 x 105 x 105 mm (.08 x 4 x 4 in)	.14 kg (.3 lbs)	RHIU4X4
Wall/Corner Mount-Short 	This mounting structure attaches directly to a flat wall, inside corner, or outside corner. The Top Hat housing/dome assembly mounts to the structure for a quick and easy installation.	SpeedDome Ultra Series	Galvanized steel	With dome installed 224 x 101 x 201 mm (9 x 4 x 8 in)	1.8 kg (4 lbs)	RHIUCM
Wall/Corner Mount -Long 	This mount, .6 m (24 in), positions the dome away from the wall, enabling it to see over furniture, shelving, and displays. It attaches directly to a flat wall, inside corner, or outside corner. The Top Hat housing/dome assembly also mounts to this structure.	SpeedDome Ultra Series	Painted steel	With dome installed 413 x 123 x 772 mm (17 x 5 x 31 in)	2.7 kg (6 lbs)	RHIULWM
Wall Mount with Short End Cap Assembly 	This mounting structure attaches directly to a flat wall. When used with the RHOWCA corner bracket adapter or RHOWPA pole strap adapter it can be affixed to corners as well as poles. A mounting cover conceals the mounting plate for a more attractive appearance.	SpeedDome Ultra, Optima Series, and IP SpeedDome	Powder-coated aluminum, ABS plastic, and fiber-filled PVC	With dome installed 366 x 218 x 282 mm (14 x 9 x 11 in)	1.3 kg (3 lbs)	RHOSW
Wall Mount with Long End Cap Assembly 	This mount attaches directly to a flat wall, positioning the dome away from the wall, so that it can see over furniture, shelving, and displays. When used with the RHOWCA corner bracket adapter or RHOWPA pole strap adapter it can be affixed to corners as well as poles. A mounting cover conceals the mounting plate for a more attractive appearance.	SpeedDome Ultra, Optima Series, and IP SpeedDome	Powder-coated aluminum, ABS plastic, and fiber-filled PVC	With dome installed 366 x 218 x 282 mm (14 x 9 x 23 in)	1.7 kg (3.9 lbs)	RHOLW
INDOOR ADAPTER OPTIONS						
Adapter	Description	Compatibility	Construction	Dimensions	Weight	Model Number
Corner Bracket Adapter 	This adapter attaches the long and short wall mounts (RHOSW & RHOLW) to outside corners. Powder-coated aluminum construction ensures an extremely sturdy installation.	SpeedDome Ultra, Optima Series, and IP SpeedDome	Powder-coated aluminum	185 x 210 x 125 mm (7 x 8 x 5 in)	.79 kg (1.75 lbs)	RHOWCA
Pole Strap Adapter 	This adapter attaches the long and short wall mounts (RHOSW & RHOLW) to outside corners. This kit contains stainless steel straps that can be daisy-chained to accommodate any size pole and all the necessary mounting hardware.	SpeedDome Ultra, Optima Series, and IP SpeedDome	Powder-coated aluminum and stainless steel	138 x 79 x 27 mm (5 x 3 x 1 in) Straps support 53 to 951 mm (2 to 30 in) pole diameter	.5 kg (1.1 lbs)	RHOWPA
SpeedDome Housing Adapter 	This adapter retrofits a SpeedDome Ultra into an existing SpeedDome housing via snap-hinge mounts, making installation fast and easy. This kit includes a skirt assembly to compensate for the smaller dimensions of the SpeedDome Ultra.	SpeedDome Ultra Series	Anodized aluminum	106 x 205 x 250 mm (4 x 8 x 10 in)	1.4 kg (3 lbs)	RHSDA
End Cap Assembly 	This mounting assembly retrofits any existing outdoor SpeedDome wall, pole, corner, or over-the-roof mount to accommodate newer outdoor housings. A modular design lets you mount the housing to the end cap on the ground, before installing it on the mounting pole, making the process safe and easy.	SpeedDome Ultra, Optima Series, and IP SpeedDome	Fiber-filled PVC	64 x 103 x 194 mm (3 x 4 x 8 in)	.32 kg (.7 lbs)	ROENDC

*American Dynamics
SpeedDomes are pivotal
to the integrated security
system that help Aetna Inc.
streamline operations at
nearly 100 field offices and
consequently cut costs.*



Outdoor Mounts + Mount Adapters

OUTDOOR MOUNTING OPTIONS						
Mount	Description	Compatibility	Construction	Dimensions	Weight	Model Number
Short Wall Mount with End Cap Assembly 	This mounting structure attaches directly to a flat wall. When used with the RHOWCA corner bracket adapter or RHOWPA pole strap adapter it can be affixed to corners as well as poles. A mounting cover conceals the mounting plate for a more attractive appearance.	SpeedDome Ultra Series and IP SpeedDome	Powder-coated aluminum, ABS plastic, and fiber-filled PVC	With dome installed 366 x 218 x 282 mm (14 x 9 x 11 in)	1.3 kg (3 lbs)	RHOSW
Long Wall Mount with End Cap Assembly 	This mount attaches directly to a flat wall, positioning the dome away from the wall, so that it can see over furniture, shelving, and displays. When used with the RHOWCA corner bracket adapter or RHOWPA pole strap adapter it can be affixed to corners as well as poles. A mounting cover conceals the mounting plate for a more attractive appearance.	SpeedDome Ultra Series and IP SpeedDome	Powder-coated aluminum, ABS plastic, and fiber-filled PVC	With dome installed 366 x 218 x 587 mm (14 x 9 x 23 in)	1.7 kg (3.9 lbs)	RHOLW
Outdoor Pendant Mount 	This mount suspends an outdoor dome housing from an outdoor ceiling or horizontal surface. It can be installed using either new or existing 1.25 inch NPT threaded pipe or rigid conduit up to 3 meters (10 feet) in length.	SpeedDome Ultra Series and IP SpeedDome	Powder-coated aluminum, ABS plastic	115 x 120 x 120 mm (4.5 x 5 x 5 in)	1.8 kg (4 lbs)	RHOPN
Over-the-Roof Mount with End Cap Assembly 	This mount affixes directly to any wall, rooftop wall, or parapet, positioning the dome away from the wall, so that it can see over awnings, soffits, and landscaping. Opposing wing brackets secure installation to the roof surface, while allowing the pole to be repositioned for easy service access.	SpeedDome Ultra Series and IP SpeedDome	Powder-coated aluminum, ABS plastic, and fiber-filled PVC	1098 x 243 x 473 mm (43 x 10 x 19 in)	5.7 kg (12.7 lbs)	RHOTR
OUTDOOR ADAPTER OPTIONS						
Adapter	Description	Compatibility	Construction	Dimensions	Weight	Model Number
Corner Bracket Adapter 	This adapter attaches the long and short wall mounts (RHOSW & RHOLW) to affix to outside corners. Powder-coated aluminum construction ensures an extremely sturdy installation.	SpeedDome Ultra Series and IP SpeedDome	Powder-coated aluminum	185 x 210 x 125 mm (7 x 8 x 5 in)	79 kg (1.75 lbs)	RHOWCA
Pole Strap Adapter 	This adapter attaches the long and short wall mounts (RHOSW & RHOLW) to outside corners. This kit contains stainless steel straps that can be daisy-chained to accommodate any size pole and all the necessary mounting hardware.	SpeedDome Ultra Series and IP SpeedDome	Powder-coated aluminum and stainless steel	138 x 79 x 27 mm (5 x 3 x 1 in) Straps support 53 to 951 mm (2 to 30 in) pole diameter	.5 kg (1.1 lbs)	RHOWPA
Floor Adapter for RHOTR 	This adapter installs the RHOTR over-the-roof mount on horizontal and vertical roof/parapet surfaces. Multiple fastening positions provide versatility for mounting on any combination of surfaces and angles.	SpeedDome Ultra Series and IP SpeedDome	Powder-coated aluminum	369 x 240 x 240 mm (15 x 10 x 10 in)	2.59 kg (5.75 lbs)	ROTRF
End Cap Assembly 	This mounting assembly retrofits any existing outdoor SpeedDome wall, pole, corner, or over-the-roof mount to accommodate newer outdoor housings. A modular design lets you mount the housing to the end cap on the ground, before installing it on the mounting pole, making the process safe and easy.	SpeedDome Ultra Series and IP SpeedDome	Fiber-filled PVC	64 x 103 x 194 mm (3 x 4 x 8 in)	.32 kg (.7 lbs)	ROENDC

SpeedDome Ultra Fixed Camera Drone 3 (with Camera/Lens):



- Identical in appearance to the full-featured SpeedDome Ultra
- Friction bearings hold camera in set position
- Powerful visual deterrent
- 540 TVL color camera inside
- Night-Saver mode for low light conditions
- Interchangeable with SpeedDome Ultra and fits I/O board mounting base
- Three auto iris lens options: 2.5 to 6 mm, 3.8 to 9.5 mm and 9 to 22 mm
- .65 lux minimum illumination
- Dimensions:
Total height: 205 mm (8 in)
Eyeball diameter: 120 mm (4.7 in)
- Weight with chassis and camera: 1.36 kg (3 lbs)

ADSDUDH2506N	ADSDUDH3895IOP
ADSDUDH2506P	ADSDUDH3895PTN
ADSDUDH2506ION	ADSDUDH3895PTP
ADSDUDH2506IOP	ADSDUDH0922N
ADSDUDH2506PTN	ADSDUDH0922P
ADSDUDH2506PTP	ADSDUDH0922ION
ADSDUDH3895N	ADSDUDH0922IOP
ADSDUDH3895P	ADSDUDPTB
ADSDUDH3895ION	ADSDUIOB

SpeedDome Ultra Dummy Drone (No Camera/Lens Capability):



- Identical in appearance to the full-featured SpeedDome Ultra
- Interchangeable with SpeedDome Ultra (fits standard and I/O board mounting bases)
- Dimensions:
Height: 205 mm (8 in)
Eyeball diameter: 120 mm (4.7 in)
- Weight: .66 kg (1.45 lbs)

RDULTRA



Drones look identical in appearance to programmable dome cameras, creating the same deterrence for less money.

Install them wherever the appearance of surveillance matters more than the ability to follow a moving target.

Dome Drones

SpeedDome Optima Fixed Camera Drone Housing Ceiling Mounts:



- Single fixed camera applications
- Smoked bubble
- Camera/lens ordered separately
- Simple installation and camera positioning
- Indoor only
- Hard ceiling and drop ceiling mount versions
- Diameter: 254 mm (10 in)

RHDR2X2
RHDRCAN

SpeedDome Optima Fixed Camera Drone Housing Pendant Mount:



- Single fixed camera applications
- Smoked bubble
- Camera/lens ordered separately
- Simple installation and camera positioning
- Indoor only
- Diameter: 254 mm (10 in)

RHDRPEN10

Fixed Camera Drone Housing (Pendant and Ceiling Mount):



- Small attractive appearance
- Powerful visual deterrent
- SpeedDome look-alike
- Camera/lens ordered separately
- Smoked bubble with black inner liner
- Snap-hinge chassis
- Fits any type ceiling
- Multiple mounting options
- Eyeball diameter: 190 mm (7.5 in)
- Please refer to data sheets for dimensions
- RD500:
Weight: 2 kg (4.4 lbs)
- RD500A:
Weight: 1.2 kg (2.6 lbs)

RD500
(Photo not available)
RD500A



Maximize your Surveillance

You can operate as many as 64 domes from one central point with the ADTT16E Touch Tracker Controller, maximizing your surveillance while keeping capital costs to the bare minimum.

ADTT16E Touch Tracker Controller:

- Controls up to 64 cameras/domes
- Compatible with SensorNet domes (SpeedDome Ultra, SpeedDome Optima, and Optima LT series)
- Variable-speed control stick for pan/tilt functions
- Up to 96 programmable presets per dome
- Three programmable patterns per dome
- Three levels of password protection
- DirectSet control
- One programmable sequence
- Up to four simultaneous dome input alarms
- Easily interfaces with Intellex digital video management systems for dome control
- Supports ten languages
- Backlit LCD
- Dimensions:
130 x 194 x 260 mm
(5.12 x 7.63 x 10.24 in)
- Weight: 1 kg (2.2 lbs)

ADTT16E

Kit

RVEIMKIT

USB Control Module:

- Control a SpeedDome Optima or Ultra series programmable dome using a PC with all the features of an ADTT16E Touch Tracker Controller — including DirectSet
- Monitor SensorNet communication links for testing and troubleshooting purposes
- Upgrade domes to the latest firmware via SensorNet without needing physical access to the dome
- Can be used in existing SensorNet installations — anywhere a SensorNet connection is available
- Dimensions:
Length: 102 mm (4 in)
Width: 70 mm (2.8 in)
Thickness: 25 mm (1 in)
- Weight: .5 kg (1.1 lbs)

ADACSNET

Controllers + Accessories

SensorNet J-Boxes:



RJ6SN



RJ1SNUD

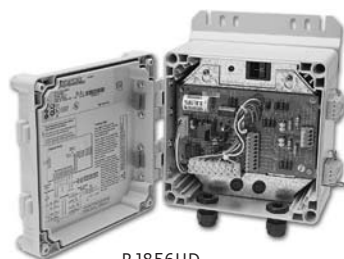
- Provides data communication via SensorNet and supplies 24 VAC to the dome
- Supports SpeedDome series domes
- Choose between 1-position and 6-position J-Boxes
- Meets Class 2 LPS power requirements
- 120 VAC or 230 VAC input versions available
- Diagnostic LEDs mounted on PC board
- Front cover can be secured with a captive screw
- Surge protection
- Hardware or line cord power connection
- RJ6SN series dimensions: 320 x 210 x 160 mm (12.6 x 8.27 x 6.30 in) Weight: 8.5 kg (18.7 lbs)
- RJ1SNUD series dimensions: 200 x 200 x 132 mm (7.87 x 7.87 x 5.19 in) Weight: 3.7 kg (8.25 lbs)

RJ6SN
RJ1SNUD
RJ1SNUD-1

RS-422 J-Boxes:



RJ860AP



RJ856UD

- Provides data communication via RS-422 and supplies 24 VAC to the dome
- Supports SpeedDome series domes
- Choose between 1-position and 10-position J-Boxes
- Meets Class 2 LPS power requirements
- Can be configured for either 120 VAC or 230 VAC input
- Hardware or line cord power latch
- Diagnostic LEDs
- Quick-release lockable cover latch
- Surge protection
- Cinch jones connector (2107-0006-01) available for use with the RJ860AP
- RJ860AP series dimensions: 514 x 310 x 150 mm (20.25 x 12.25 x 6 in) Weight: 16.3 kg (36 lbs)
- RJ856UD series dimensions: 200 x 200 x 132 mm (7.87 x 7.87 x 5.19 in) Weight: 3.7 kg (8.25 lbs)

RJ860AP
RJ856UD
Accessory
2107-0006-01
(Cinch jones connector for RJ860AP)

Note: Use the RPPJ-M to adapt older series SpeedDomes to current J-Boxes.

Adapter:

- Kit for adapting older series SpeedDomes to current J-Box

RPPJ-M

*Supermarkets deter
shoplifting, employee theft,
and product tampering
with American Dynamics
SpeedDomes.*



*Strategically positioned and
discreet, American Dynamics
SpeedDomes enable security
personnel to monitor all key
ingress and egress points
throughout every floor and
wing of your office complex.*



Accessories

SpeedDome Ultra Bases:

- Attaches to hard ceilings, tile ceilings, or mounting structures
- Compact and attractive design
- Includes I/O base for use with SpeedDome Ultra 8 and SpeedDome Ultra Fixed Camera Drone 3

ADSDUIOB
ADSDUIOBW

Surge Protectors:

- Protect your systems against failures
- Lightning surge protector for video (RXVP)
- Lightning surge protector for power (RXPP)
- Lightning surge protector for data (RXDP)

RXVP
RXPP
RXDP

LED Kit:

- Provides additional visual deterrent (for SpeedDome Ultra series, indoor only)

RHIULED

Dome Installation & Removal Tool:

- Makes it easy to position the SpeedDome Ultra series in a ceiling mount without a ladder
- For use with I/O board base configurations

RHIRT

Bubbles:



- For use with SpeedDome Ultra series domes (Indoor only)
- Requires RHIUTH Top Hat indoor housing
- Provides attractive finish
- Available in clear, silver, smoked and gold finishes
- Diameter: 176 mm (6.93 in)
- Depth: 86.5 mm (3.4 in)
- Weight: 13 kg (4.4 oz) with trim ring

ADSDUCLR (RUCLR)
ADSDUSLV (RUSLV)
ADSDUSMK (RUSMK)
ADSDUGLD (RUGLD)

Outdoor Dome Power Supply

Install SpeedDome Ultra domes outside of your building and be able to service them on the spot without going inside. Learn more about our Outdoor Dome power supply (ADSPOT) on p. 110.